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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/510,650	03/03/00	MCCARTHY	CTI-103

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MM91/0921

EXAMINER
LEON, E

ART UNIT	PAPER NUMBER
2833	

DATE MAILED: 09/21/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/518,650

Applicant(s)

MCCARTHY, DALE C

Examiner

Edwin A. León

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,12,15-19,22,25-27 and 30-36 is/are rejected.
- 7) ☒ Claim(s) 3-11,13,14,20,23,24,28 and 29 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____. 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed July 5, 2001 in which Claims 1-2, and 4-7 have been amended and Claims 33-36 have been added, has been place of record in the file as Paper No. 6.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2, 12, 15-19, 22, 25-27, and 30-36 are rejected under 35 U.S.C. 102(b) as being anticipated by Gaver et al. (U.S. Patent No. 5,066,248). With regard to Claims 1-2, 12, 15-18, 22, 25 and 31-36, Gaver, Jr. et al. discloses an electrical connector (10), comprising: a housing (22) having a first end and an axial bore (40); at least one clamping arm (18) in the bore (40) of the housing (22) having a first end (46); and a cylindrical compression cap (24) having an end wall apertured to receive an electrical coaxial cable (48) having a sidewall sized at its inner periphery for engaging an outer periphery of the housing (22), wherein once the first end (46) of the at least one

Art Unit: 2833

clamping arm (18) penetrates an outer insulation layer (15) of the electrical cable (48) and the end of the electrical cable (48) being inserted into the first end of the housing (22), the cap (24) can be inserted into the first end of the housing (22) such that the at least one clamping arm (18) is secured in place and an insulator plug (12) having a center aperture, and the cylindrical compression cap (24) having a sidewall sized at its outer periphery for engaging an inner periphery of the housing (22). See Figs. 1-7.

With regard to Claim 19, Gaver, Jr. et al. discloses the at least one clamping arm (18) being integral with the housing (22). See Figs. 1-7.

With regard to Claim 26, Gaver, Jr. et al. discloses an insulation section (20) attached to the housing (22), wherein the insulation section (20) has an aperture, and where the insulation section electrically insulates the center conductor (56) from the housing (22). See Figs. 1-7.

With regard to Claim 27, Gaver, Jr. et al. discloses an insulation section (20) having an aperture, and an electrically conductive pin (56) located in the aperture of the insulation section (20) such that the pin (56) protrudes into the first end of the connector (10) and protrudes into a second end of the connector (10), wherein the center conductor (56) of the insulated electrical conductor (54) makes electrical contact with the pin (56) protruding into the first end of the connector (10) as the end of the insulated electrical conductor (54) is inserted into the first end of the connector (10). See Figs. 1-7.

With regard to Claim 30, Gaver, Jr. et al. discloses the pin (56) having a solid portion protruding into the first end of the connector (10). See Figs. 1-7.

Allowable Subject Matter

4. Claims 3-11, 13-14, 20, 23-24 and 28-29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The references fail to teach, disclose, or suggest, either alone or in combination, the pin having a hollow portion protruding into the first end of the connector, a beveled ring, a compression ring, the pointed end of the conductive clamp being ramp shaped and the end of the side wall of the cylindrical compression cap being complementarily ramp shaped so that upon mutual engagement longitudinally along the axis of the housing and the first end of the at least one clamping arm having a beveled edge, wherein the first end of the at least one clamping arm is caused to penetrate the outer insulation layer by a tool which pushes on the beveled edge while the end of the insulated electrical conductor is inserted into the first end of the housing. See Figs. 1-7.

Response to Arguments

5. Applicant's arguments with respect to claims 1-32 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion


6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Wright (U.S. Patent No. 5,607,320), Horak (U.S. Patent No. 3,744,007), and Nikitas (U.S. Patent No. 4,408,822) disclose electrical connectors having caps, housings, and conductive clamps.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

EAL
September 17, 2001


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